

Assistant Secretary Karsner's “Energy Security” Walking Tour

2008 Washington Auto Show

January 22, 2008



Self Serve	Cash or Credit
Regular	329 ⁹
Plus	339 ⁹
Premium	349 ⁹



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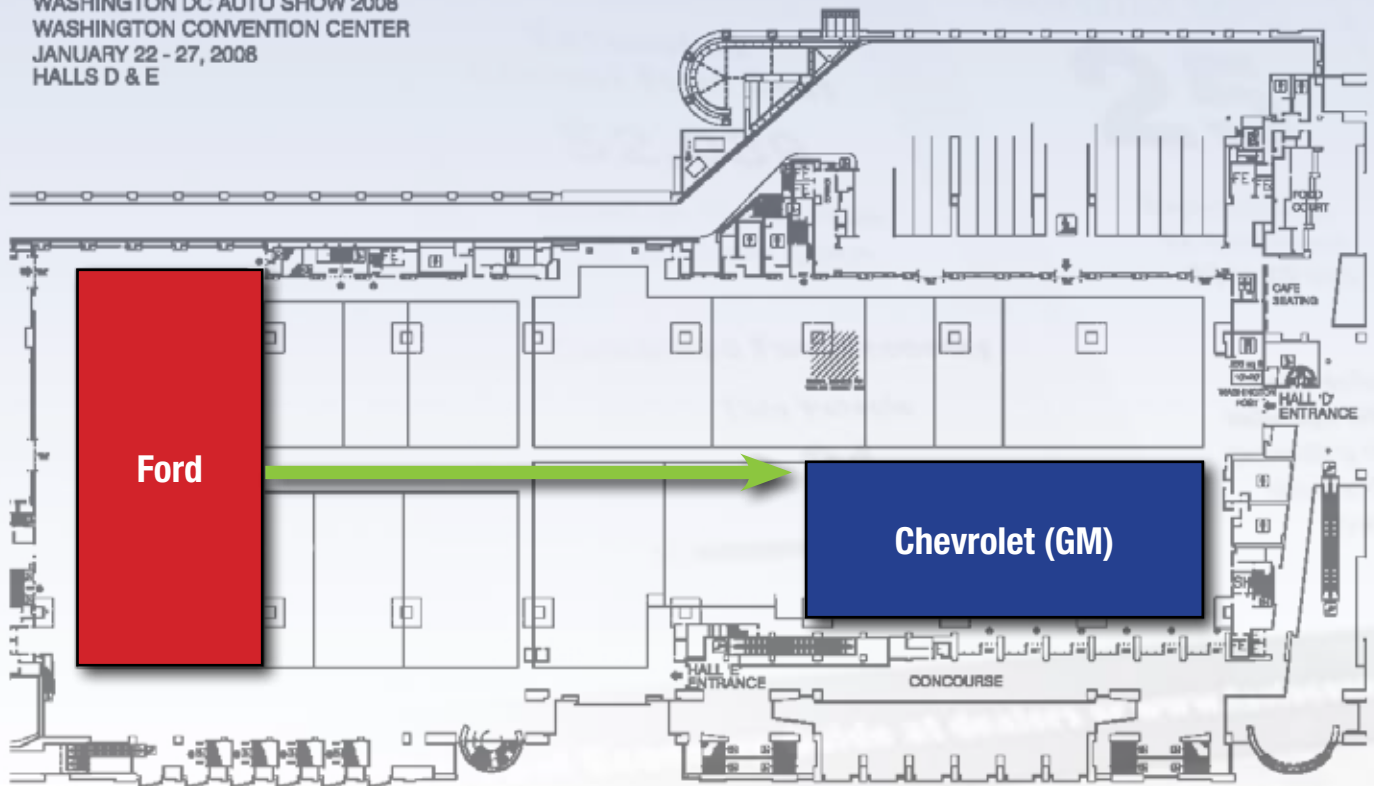
The Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) manages America's investment in the research, development and deployment of diverse energy efficiency and renewable energy applied science portfolio.

EERE's mission is to develop renewable energy sources and conversion technologies, as well as efficiency best practices, regulations and technologies that collectively strengthen our economy, environment and national security.

Alexander Karsner is the Assistant Secretary for Energy Efficiency and Renewable Energy at the U.S. Department of Energy.



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HALLS D & E



**Stop
1**

Ford

Plug-in Hybrid, Hybrid, Flex-Fuel

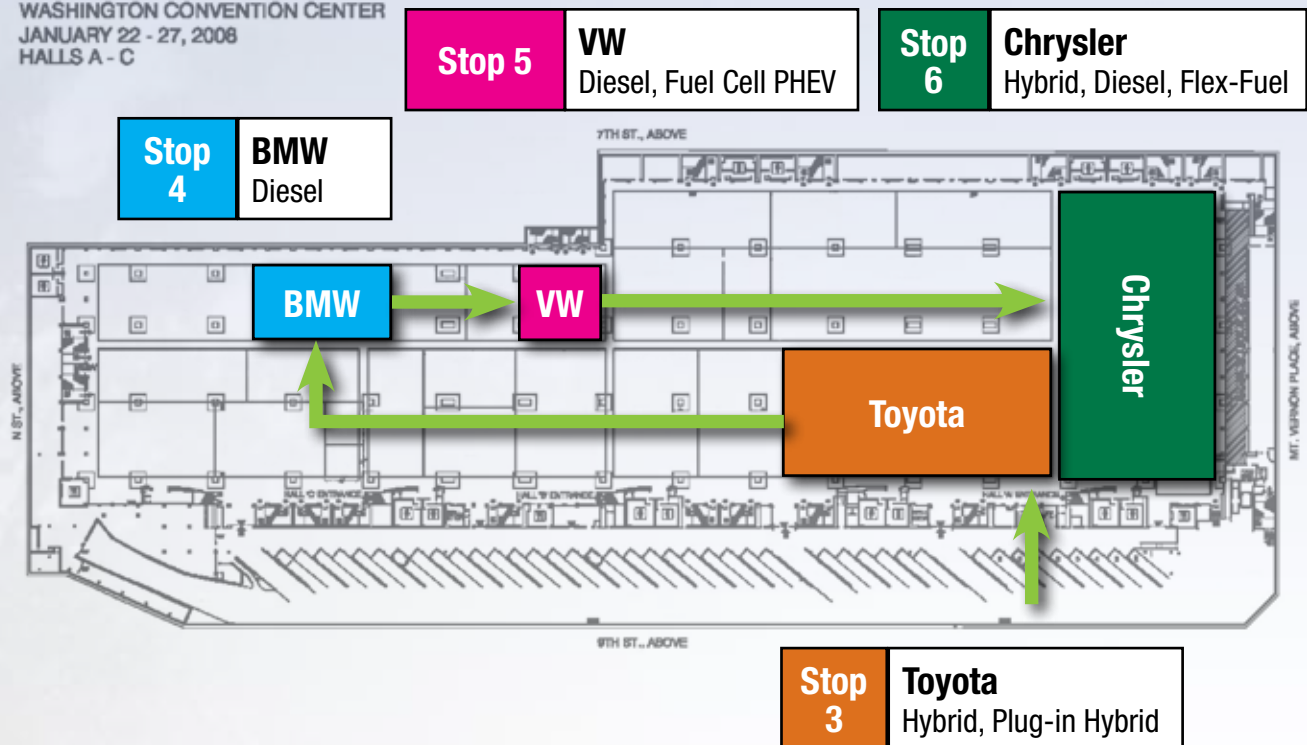
**Stop
2**

GM

Diesel, Hybrid, Flex-Fuel, Fuel Cell



WASHINGTON DC AUTO SHOW 2008
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HALLS A - C



Stop 1

Ford Ford Escape Hybrid



The vehicle displayed is part of a vehicle line-up that includes four Flexible-Fuel vehicles and three Hybrid vehicles.

Fast Facts

- Full Hybrid-Electric Vehicle (HEV)
- First Hybrid SUV in America
- Meets Super Ultra Low Emissions Vehicle Standards (SULEV II)
- 34 MPG in stop and go driving
- 31% gain in fuel economy compared to gasoline equivalent (up to \$663 saved annually)

Other Notable Ford Advanced Technology Vehicles on Display

- Ford Escape Plug-In Hybrid (Fleet Demonstration Vehicle)

Source: Model Year 2008 Fuel Economy Guide

Stop 2

General Motors (GM)

Chevrolet Tahoe 2-Mode Hybrid



The vehicle displayed is part of a vehicle line-up that includes 11 Flexible-Fuel vehicles and five Hybrid vehicles.

Fast Facts

- Hybrid-Electric Vehicle (HEV)
- Cylinder Deactivation (Operates either 4 or 8 cylinders)
- 25% gain in fuel economy compared to gasoline equivalent (up to \$1,200 saved annually)

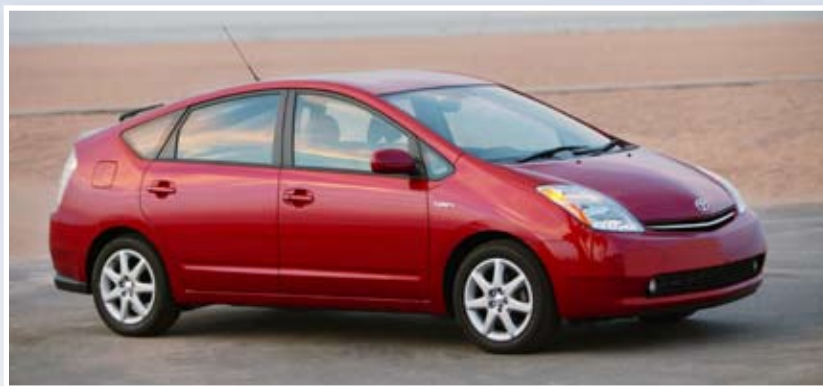
Other Notable GM Advanced Technology Vehicles on Display

- Saturn Vue Greenline Hybrid (HEV-SUV, 21% increase in fuel economy)
- Saturn Aura Greenline Hybrid (HEV, 7% increase in fuel economy)
- Malibu Hybrid (HEV – first mid-sized hybrid offered by GM)
- Chevrolet Equinox Fuel Cell (Hydrogen Demonstration Vehicle)
- 4.5L V8 Light-Duty Diesel Truck (planned 2010 production)

Source: Model Year 2008 Fuel Economy Guide

Stop 3

Toyota Toyota Prius



Fast Facts

- 45 MPG in highway driving
- 48 MPG in city driving
- 37% gain in fuel economy compared to Toyota Corolla (up to \$592 saved annually)

Other Notable Toyota Advanced Technology Vehicles on Display

- *Toyota Plug-In Hybrid Prius (Demonstration Vehicle)*
- *Toyota Highlander Hybrid SUV (27% gain in fuel economy)*
- *Toyota Camry Hybrid Sedan (27% gain in fuel economy)*
- *Lexus GSh Hybrid Sport Sedan (13% gain in fuel economy)*
- *Lexus LSh Hybrid Luxury Sedan (10% gain in fuel economy)*
- *Lexus RX 4WD Hybrid Luxury SUV (24% gain in fuel economy)*

Source: Model Year 2008 Fuel Economy Guide

Stop 4

BMW

335d diesel sedan



Fast Facts

- 3.0L In-Line 6 Cylinder Clean Diesel
- Twin Turbo
- Meets strict emission standards in all 50 states (BIN 5)
- 25% gain in fuel economy compared to gasoline equivalent (\$626 saved annually)
- Projected availability in late 2008

Source: Model Year 2008 Fuel Economy Guide

Stop 5

Volkswagen (VW) 2008 Jetta Sportswagon



The vehicle displayed is part of a vehicle line-up that includes one Diesel vehicle.

Fast Facts

- 2.0L 4 cylinder Clean Diesel
- 25%-30% gain in fuel economy compared to gasoline version (up to \$583 saved annually)
- Projected availability in late 2008

Other Notable VW Advanced Technology Vehicles on Display

- Volkswagen “space up! blue” Hydrogen Fuel Cell Plug-In Hybrid (Concept Vehicle)

Source: Model Year 2008 Fuel Economy Guide

Stop 6

Chrysler

2-Mode Hybrid SUV HEMI



The vehicle displayed is part of a vehicle line-up that includes 10 Flexible-Fuel vehicles, two Hybrid vehicles, and one Diesel vehicle.

Fast Facts

- HEMI 5.7L engine
- Cylinder Deactivation (Operates either 4 or 8 cylinders)
- 25% gain in fuel economy compared to gasoline equivalent. (up to \$1,200 saved annually)

Other Notable Chrysler Advanced Technology Vehicles on Display

- Chrysler 300 C with Cylinder Deactivation (Operates either 4 or 8 cylinders)

Source: Model Year 2008 Fuel Economy Guide

Fuel Economy & Savings Projections are from the Model Year 2008 Fuel Economy Guide

www.fueleconomy.gov

model year **2008**

Fuel Economy Guide

EPA Fuel Economy Estimates

CITY MPG: **18**
Expected range: 18 to 24 miles per gallon

Highway MPG: **25**
Expected range: 25 to 31 miles per gallon

Combined MPG: **21**
Expected range: 21 to 27 miles per gallon

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Estimated Annual Fuel Cost: \$2,099
Based on 15,000 miles at \$2.09 per gallon

Estimated Fuel Economy:
City: 18 mpg
Highway: 25 mpg
Combined: 21 mpg

See the 2008 Fuel Economy Guide at dealers or www.fueleconomy.gov

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DOE/EE-0221

U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
U.S. Environmental Protection Agency

Find it all at
fueleconomy.gov or
fueleconomy.gov/m
(mobile devices)

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

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